QC ABSTRACT

AME OF WORK: Construction of additional class rooms and compound wall at Govt. Higher primary hool (Bangala School) at Yelahanka old town in Kempegowda ward no:01

NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Block(400*100*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
8	PCC(M15)	Compressive Strength(7days and 28days)	5 set /100-150 cum	107.42	10	10

9	PCC(M15)	Compressive Strength(7days and 28days)	2 set	536.19	2	2
10	RMC(M25)	Compressive Strength(7days and 28days)	6 set /100-150 cum	126.87	12	12
11	RCC(M25)	Compressive Strength(7days and 28days)	10 sets /300-350 cum	314.47	20	20
12	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	28	6	6
13	RCC(M20)	Compressive Strength(7days and 28days)	1 set	13.12	2	2
14	CERAMIC TILES	MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS	One Test		1	1
		MODULUS OF RUPTURE AND BREAKING STRENGTH	One Test		1	1
15	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
16	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

A.E.E

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19

Date: 18/09/2021

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 23-08-21

Customer ID : PCC above SSM

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/09/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	21/08/2021	18/09/2021	149.12 X 149.22 X 150.92	22252	8.252	381.2	17.1	17.4
2	PCC above SSM	M15	21/08/2021	18/09/2021	150.59 X 149.95 X 150.78	22581	8.298	404.8	17.9	
3	PCC above SSM	M15	21/08/2021	18/09/2021	150.87 X 149.59 X 150.18	22569	8.139	387.9	17.2	

The results obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19

Date: 18/05/2022

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 22-04-22

Customer ID : GF Lintel Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Concrete	M25	20/04/2022	18/05/2022	151.10 X 149.99 X 149.12	22664	9.019	617.3	27.2	27.4
2	GF Lintel Concrete	M25	20/04/2022	18/05/2022	151.40 X 149.36 X 150.71	22613	8.884	601.9	26.6	
3	GF Lintel Concrete	M25	20/04/2022	18/05/2022	151.78 X 150.72 X 150.10	22876	8.336	649.1	28.4	

* The results obtained are satisfactory as per standard requirements.

A.E.E

CIVIL PRO BANGALORE Sig..... Date.....

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : CP-2023-03-18-19

Date: 06-09-22

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.45	–
2	Specific Gravity	2.53	–
3	Material finer than 75 micron(%)	11.1	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.93	–
5	Loose Bulk Density (Kg/litre)	1.78	–

* The results obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****